

IN THE CLAIMS

El
Can 4

1. (Previously Amended) A multi-recording element magnetic head assembly that is operable for at least one of reading from and writing to a medium moving across the head assembly, comprising:

a substrate;
a closure separated from said substrate by a gap, said closure including a C-core;

a thin film layer deposited on a substantially planar surface of said substrate, said thin film layer comprising a plurality of recording elements operable for at least one of reading from and writing to the medium; and

a plurality of gluing vias formed between said substrate and said closure and interspersed amongst said plurality of recording elements.

2. (Canceled)

3. (Previously Amended) The multi-recording element magnetic head assembly according to claim 1, wherein said recording elements comprises at least one of a read element and a write element.

4. (Previously Amended) The multi-recording element magnetic head assembly according to claim 3, wherein at least one of said gluing vias are trenched on said side surface of said substrate between said at least one of a read element and a write element.

5. (Previously Amended) The multi-recording element magnetic head assembly according to claim 1 wherein said gluing vias are photolithographically defined and subsequently trenched on said side surfaces.

6. (Previously Amended) A multi-recording element magnetic tape head assembly that is operable for reading from and writing to a magnetic tape moving across the head, comprising:

a substrate having a substantially planar gap side surface;
a closure having a gap side surface that opposes and is separated from said gap side surface of said substrate by a gap;

Serial No. 09/310,800

Attorney Docket No. 96-017-TAX

3

*El
Can't*

a thin film layer deposited on said gap side surface of said substrate in said gap, wherein said thin film layer comprises a plurality of recording elements operable for at least one of reading from and writing to the medium;

a plurality of gluing vias formed between said substrate and said closure; and adhesive in said gap and said gluing vias.

7. (Canceled)

8. (Previously Amended) The multi-recording element magnetic tape head assembly according to claim 6, wherein said recording layer comprises at least one of a read element and a write element.

9. (Previously Amended) The multi-recording element magnetic tape head assembly according to claim 8 wherein at least one of said gluing vias are trenched on said side surface of said substrate between said at least one of a read element and a write element.

10. (Previously Amended) The multi-recording element magnetic tape head assembly according to said claim 6 wherein said gluing vias are photolithographically defined and subsequently trenched on at least one of said gap side surfaces of said substrate and said closure.

11. (Withdrawn)

12. (Withdrawn)

13. (Withdrawn)

14. (Withdrawn)

15. (Canceled)

16. (Withdrawn)

17. (Withdrawn)

RECEIVED
MAR 23 PM 4:23
TELETYPE
AND REFERENCES

Serial No. 09/310,800

Attorney Docket No. 96-017-TAX

El
com 4

18. (Withdrawn)

19. (Canceled)

20. (Previously Amended) The multi-recording element magnetic head assembly of Claim 1 wherein at least a portion of said plurality of gluing vias intersects said C-core.

21. (Previously Amended) A multi-recording element magnetic head assembly operable for at least one of reading from and writing to a multi-track medium moving across the head assembly, comprising:

a plurality of recording elements operable for at least one of reading from and writing to the multi-track medium;

a core;

at least one gluing via located between two adjacent recording elements of the plurality of recording elements, said at least one gluing via in contact with, and extending from, said core; and

an adhesive inserted into said core and said at least one gluing via.

22. (Previously Amended) The multi-recording element magnetic tape head assembly of Claim 6, wherein the plurality of gluing vias are trenched in the closure gap side surface and are absent the substrate gap side surface.

23. (Previously Amended) The multi-recording element magnetic tape head assembly of Claim 6, wherein the plurality of gluing vias are trenched in the substrate gap side surface and are absent the closure gap side surface.

24. (Previously Amended) The multi-recording element magnetic tape head assembly of Claim 6, wherein the plurality of gluing vias are trenched in the substrate gap side surface and the closure gap side surface.

25. (Previously Amended) The multi-recording element magnetic tape head assembly of Claim 6, wherein the plurality of gluing vias are interspersed amongst at least a portion of the plurality of recording elements.

Serial No. 09/310,800

Attorney Docket No. 96-017-TAX

26. (Previously Amended) The multi-recording element magnetic head assembly of Claim 25, wherein at least a portion of the plurality of gluing vias are located between two adjacent recording elements.

27. (Previously Amended) A multi-recording element magnetic head assembly operable for at least one of reading from and writing to a multi-track medium moving across the head assembly, comprising:

a plurality of recording elements operable for at least one of reading from and writing to the multi-track medium;

a core;

at least one gluing via located on each of at least two sides of at least one recording element; and

an adhesive inserted into said core and said plurality of gluing vias.

28. (Previously Amended) The multi-recording element magnetic head assembly of Claim 27, wherein said plurality of gluing vias are in contact with, and extend from, said core.

29. (Previously Added) A multi-element tape head formed in accordance with the method of Claim 11.

30. (Withdrawn)

RECEIVED
2004 MAR 23 PM 4:23
U.S. DEPT. OF COMMERCE
AND INTERFERENCES